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File 95:TEME-Technology & Management 1989-2009/Nov W5
(c) 2009 FIZ TECHNIK

S1 42669 GOLF OR GOLFING
limitall/s1
S2 20 FERRULE OR FERRULES
S3 19 RD (unique items)
S4 19 S1 AND S3
S5 452 RING OR RINGS OR BANDS OR BAND
S6 815 ANTENNA? OR TRANSMIT?R? ? OR WIRELESS OR TELEMETRY OR ULTR-
ASOUND OR WIRE()LESS OR (SOUND OR RADIO)()WAVE? ? OR TRANSMIS-
SION OR ACCELEROMETER? ? OR ACCELERAT? OR SENSOR OR TRANSCEIV-
ER? ? OR TRANSMITTING
S7 25 S1 AND S5 AND S6
S8 18 RD (unique items)
limitall cancel
S9 4267 FERRULE OR FERRULES
S10 216127 CUE? ? OR RACKET? ? OR BAT? ? OR PADDLE? ?
S11 4610462 ANTENNA? OR TRANSMIT?R? ? OR WIRELESS OR TELEMETRY OR ULTR-
ASOUND OR WIRE()LESS OR (SOUND OR RADIO)()WAVE? ? OR TRANSMIS-
SION OR ACCELEROMETER? ? OR ACCELERAT? OR SENSOR OR TRANSCEIV-
ER? ? OR TRANSMITTING
S12 1 S9 AND S10 AND S11
S13 14138 S10 AND S11
S14 2209961 RING OR RINGS OR BANDS OR BAND
S15 915 S13 AND S14
S16 149020 S11(10N)S14
S17 163 S10(S)S16

8/7/6 (Item 6 from file: 23)

DIALOG(R)File 23: CSA Technology Research Database

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Swing training apparatus

Oppenheimer, Jess

, USA

Publisher Url: [http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&u=/netahml/PTO/search-adv.htm&r=1&p=1&f=G&l=50&d=PTXT&S1=4034991.PN.&OS=pn/4034991&RS=PN/4034991](http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&u=/netah/ml/PTO/search-adv.htm&r=1&p=1&f=G&l=50&d=PTXT&S1=4034991.PN.&OS=pn/4034991&RS=PN/4034991)

Document Type: Patent

Record Type: Abstract

Language: English

File Segment: Metadex; Mechanical & Transportation Engineering Abstracts; ANTE: Abstracts in New Technologies and Engineering; Aerospace & High Technology

Abstract:

Apparatus for use by one manipulating a device to be swung such as a **golf** club, bat or the like. A weighted member such as a slider is secured to another member for guiding the slider through a pre-determined path, such for example, as an arcuate guide member. A pair of flexible cords are secured to a pair of spaced apart posts and engage both the slider and the device to be swung with one of the cords secured at its other end to the device to be swung and the other to the slider. As the user swings the device to be swung, such as a **golf** club, the slider is caused to traverse the pre-determined path causing the flexible cords to become taut or slack at pre-determined points throughout the swing, thereby causing the device to be swung to **accelerate** at a maximum speed through a desired point and to assume a desired position while moving at the maximum speed. Thus both timing and power are developed for the swing. One of the cords may have a rigid rod-like member substituted for it with one end of the rod secured to the weighted member or slider and with the rod passing through a **ring** or loop secured to the device to be swung. Also disclosed is apparatus where the cords may pass through a stop means and over a pulley or the like to a position for attachment to the shoulders of the user. Thus as the user swings the device his shoulders are automatically placed into the proper positions as required to accommodate the particular swing. Also disclosed as an alternative to the arcuate guide member and slider is an elongated rod supported for rotation about a pivot point and having a universally attached **ring** member thereon which is engaged by the flexible cords.

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S2 3326 FERRULE OR FERRULES
 S3 37 S1 AND S2
 S4 6141681 ANTENNA? OR TRANSMIT?R? ? OR WIRELESS OR TELEMETRY OR ULTR-
 ASOUND OR WIRE()LESS OR (SOUND OR RADIO)()WAVE? ? OR TRANSMIS-
 SION OR ACCELEROMETER? ? OR ACCELERAT? OR SENSOR OR TRANSCEIV-
 ER? ? OR TRANSMITTING
 S5 8 S3 AND S4
 S6 8 RD (unique items)
 S7 1581372 RING OR RINGS OR BANDS OR BAND
 S8 3695322 CUE? ? OR RACKET? ? OR BAT? OR BATS OR PADDLE? ?
 S9 67859 S4(10N)S7
 S10 14 S9(S)S1
 S11 12 RD (unique items)
 S12 1634 S9(S)S8
 S13 56 S8(S)S2
 S14 41780 S4(5N)S7
 S15 524 S14(20N)S8
 S16 262 S14(10N)S8
 S17 120 S14(5N)S8
 S18 176 S13 OR S17
 S19 116 RD (unique items)
 S20 324207 CUE? ? OR RACKET? ? OR BAT OR BATS OR PADDLE? ?
 S21 6 S14(10N)S20
 S22 19 S14(20N)S20
 S23 14 RD (unique items)

Nothing relevant

File 350:Derwent WPIX 1963-2009/UD=200982
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S1 19585 FERRULE OR FERRULES
 limitall/s1
 S2 2172 ANTENNA? OR TRANSMIT?R? ? OR WIRELESS OR TELEMETR? OR ULTR-
 ASOUND OR WIRE()LESS OR (SOUND OR RADIO)()WAVE? ? OR TRANSMIS-
 SION OR ACCELEROMETER? ? OR SENSOR OR TRANSCEIVER? ?
 S3 105 GOLF OR GOLFING
 S4 74 CUE? ? OR RACKET? ? OR BAT OR BATS OR PADDLE? ? OR POOL()S-
 TICK? ?
 S5 8 S1 AND S2 AND (S3 OR S4)

Nothing relevant